

GP-304702

**DUAL INPUT CLUTCH TRANSMISSIONS HAVING  
SYNCHRONIZERS FOR ESTABLISHING SPEED RATIOS**

**ABSTRACT OF THE DISCLOSURE**

A dual input clutch transmission has two planetary gearsets that are selectively connectible between an input shaft and an output shaft through two selectively engageable input clutches. One of the planetary gearsets is  
5 controlled by a plurality of synchronizer mechanisms to provide a reverse speed ratio and two forward speed ratios between the input shaft and the output shaft, and the other of the planetary gearsets is controlled by one selectively engageable synchronizer clutch assembly to establish three forward speed ratios between said input shaft and said output shaft.